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**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER
BDL-504XX

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
10/587,905

| | | |
|--|---|---|
| INTERNATIONAL APPLICATION NO. PCT/FR2005/000174 | INTERNATIONAL FILING DATE 27 January 2005 | PRIORITY DATE CLAIMED 30 January 2004 |
| TITLE OF INVENTION SINTERABLE NANOPOWDER CERAMIC MATERIAL AND METHOD FOR SYNTHESIS THEREOF | | |
| APPLICANT(S) FOR DO/EO/US Romuald DEZ, Nathalie HERLIN-BOIME | | |

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto.
 - b. had been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are attached herewith (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

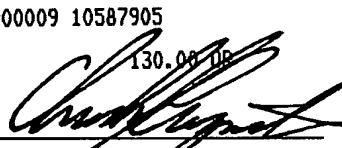
Items 11 to 20 below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. **(with 5 references cited in ISR)**
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An Application Data Sheet under 37 CFR 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. Other items or information: **Copy of 371 FORMALITIES LETTER dated April 2, 2007.**

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain the USPTO to process an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Number

EV 560127886 US

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|--|--------------|---|---|---------------------------------------|--------------|
| U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/587,905 | | INTERNATIONAL APPLICATION NO PCT/FR2005/000174 | | ATTORNEY'S DOCKET NUMBER BDL-504XX | |
| The following fees have been submitted: | | | | CALCULATIONS | PTO USE ONLY |
| 21. <input type="checkbox"/> Basic national fee..... | | | | \$300.00 | \$ |
| 22. <input type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) | | | | \$100.00 | |
| All other situations | | | | \$200.00 | \$ |
| 23. <input type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority | | | | \$100.00 | |
| International Search Report prepared and provided to the Office..... | | | | \$400.00 | \$ |
| All other situations..... | | | | \$500.00 | |
| TOTAL OF 21, 22 and 23 = | | | | \$ | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | | RATE | |
| - 100 = | / 50 = | | | X \$250.00 | \$ |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). | | | | \$ 130.00 | |
| CLAIMS | | NUMBER FILED | NUMBER EXTRA | RATE | |
| Total claims | | 17 | - 20 = 0 | X \$ 50.00 | \$ 0 |
| Independent claims | | 2 | - 3 = 0 | X \$200.00 | \$ 0 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | | + \$360.00 | \$ |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ 130.00 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. | | | | \$ -- | |
| | | | | SUBTOTAL = | \$ 130.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)). + | | | | \$ | |
| TOTAL NATIONAL FEE = | | | | \$ 130.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | \$ | |
| TOTAL FEES ENCLOSED = | | | | \$ 130.00 | |
| | | | | Amount to be Refunded: | \$ |
| | | | | Amount to be Charged: | \$ |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 130.00 to cover the above fees, except assignment recordation, is enclosed. A check in the amount of \$ _____ is enclosed for the assignment recordation fee.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Deposit Account No. <u>23-0804</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | which is associated with the Law Firm of: | | |
| [X] Customer Number 00207 | | | WEINGARTEN, SCHURGIN, GAGNEBIN & LEBOVICI LLP | | |
| 05/15/2007 MKAYPAGH 00000009 10587905 | | | Ten Post Office Square | | |
| 01 FC:1617 | | | Boston, Massachusetts 02109 | | |
| | | | United States | | |
| | | | Telephone: (617) 542-2290 Fax: (617) 451-0313 | | |
| Attorney Signature:  | | | Date: <u>5-11-07</u> | | |
| Attorney Name: <u>Charles L. Gagnebin III</u> | | | Registration No: <u>25,467</u> | | |



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
www.uspto.gov

| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
|-----------------------------|-----------------------|------------------|
| 10/587,905 | Romuald Dez | BDL-504XX |

INTERNATIONAL APPLICATION NO.

PCT/FR05/00174

| I.A. FILING DATE | PRIORITY DATE |
|------------------|---------------|
| 01/27/2005 | 01/30/2004 |

207
 WEINGARTEN, SCHURGIN, GAGNEBIN & LEOVICI LLP
 TEN POST OFFICE SQUARE
 BOSTON, MA 02109

CONFIRMATION NO. 3591
371 FORMALITIES LETTER



OC00000023205624

Date Mailed: 04/02/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 07/28/2006
- English Translation of the IA filed on 07/28/2006
- Copy of the International Search Report filed on 07/28/2006
- Preliminary Amendments filed on 07/28/2006
- Information Disclosure Statements filed on 07/28/2006
- Oath or Declaration filed on 07/28/2006
- Request for Immediate Examination filed on 07/28/2006
- U.S. Basic National Fees filed on 07/28/2006
- Priority Documents filed on 07/28/2006
- Specification filed on 07/28/2006
- Claims filed on 07/28/2006
- Abstracts filed on 07/28/2006
- Drawings filed on 07/28/2006

RECEIVED
 BY: _____
 APR 05 2007

WEINGARTEN, SCHURGIN,
GAGNEBIN & LEOVICI LLP

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
 - The second inventor's first name is missing from the declaration.

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- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$130** for a Large Entity:

- **\$130 Surcharge.**

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

WINSTON M ALVARADO

Telephone: (703) 308-9140 EXT 206

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/587,905 | PCT/FR05/00174 | BDL-504XX |

FORM PCT/DO/EO/905 (371 Formalities Notice)